0020030095250

FIG. 1

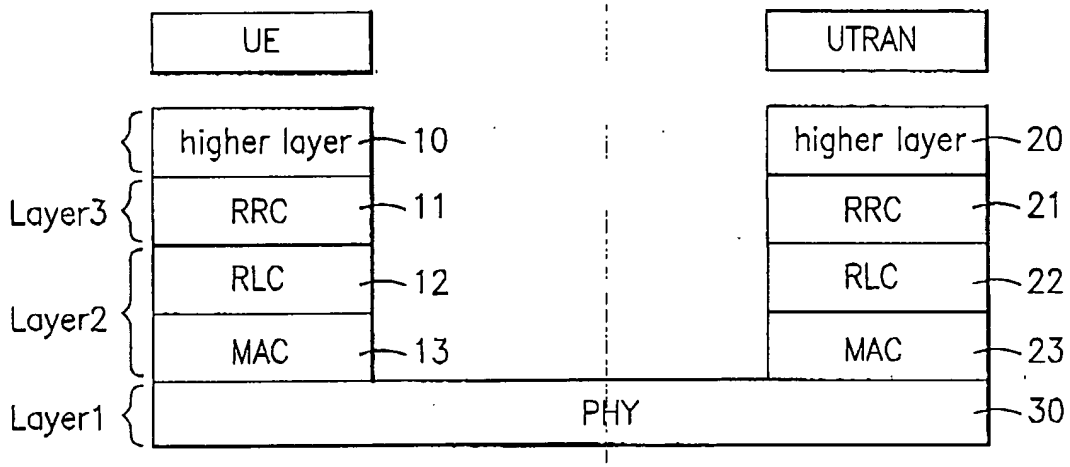


FIG. 2

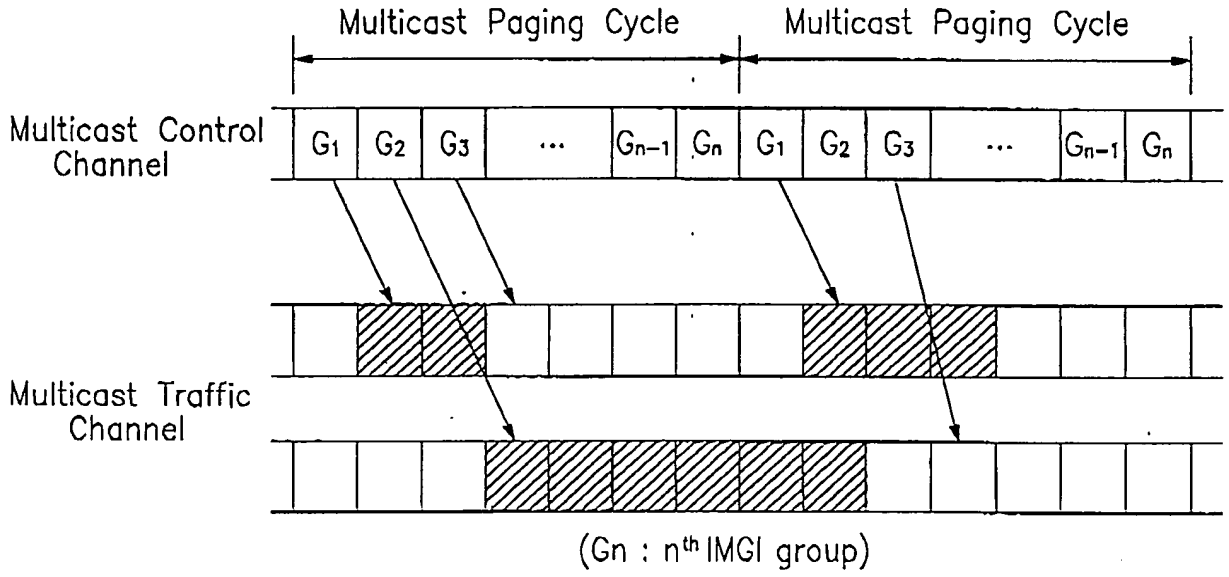

Multicast Paging Cycle
Multicast Paging Cycle
Multicast Control Channel
G1 G2 G3 ... Gn-1 Gn G1 G2 G3 ... Gn-1 Gn
Multicast Traffic Channel
(Gn : nth IMGI group)

FIG. 3

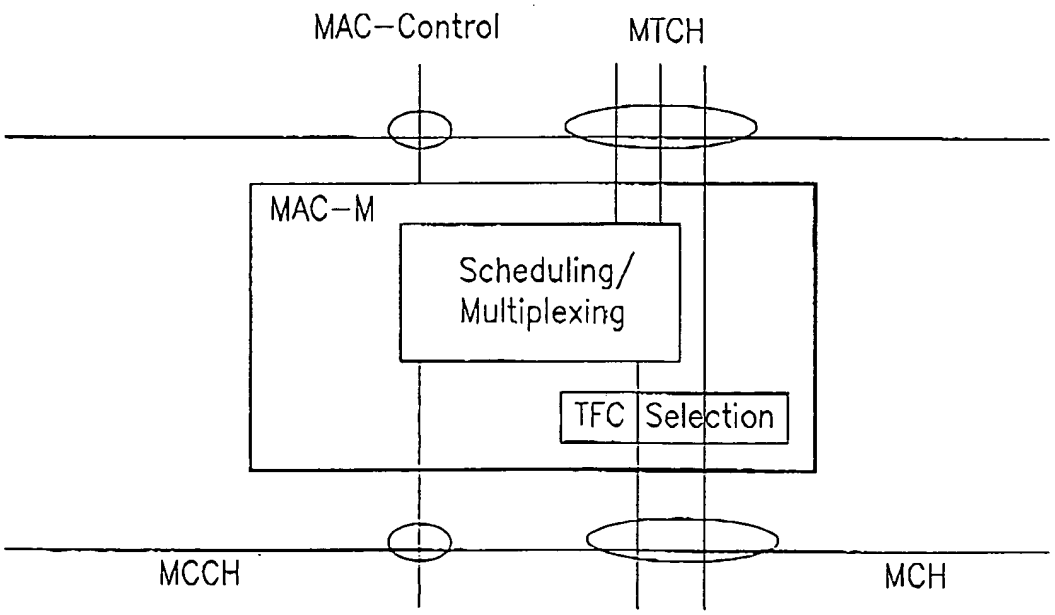

MAC-Control
MTCH
MAC-M
Scheduling/ Multiplexing
TFC Selection
MCCH
MCH

FIG. 4

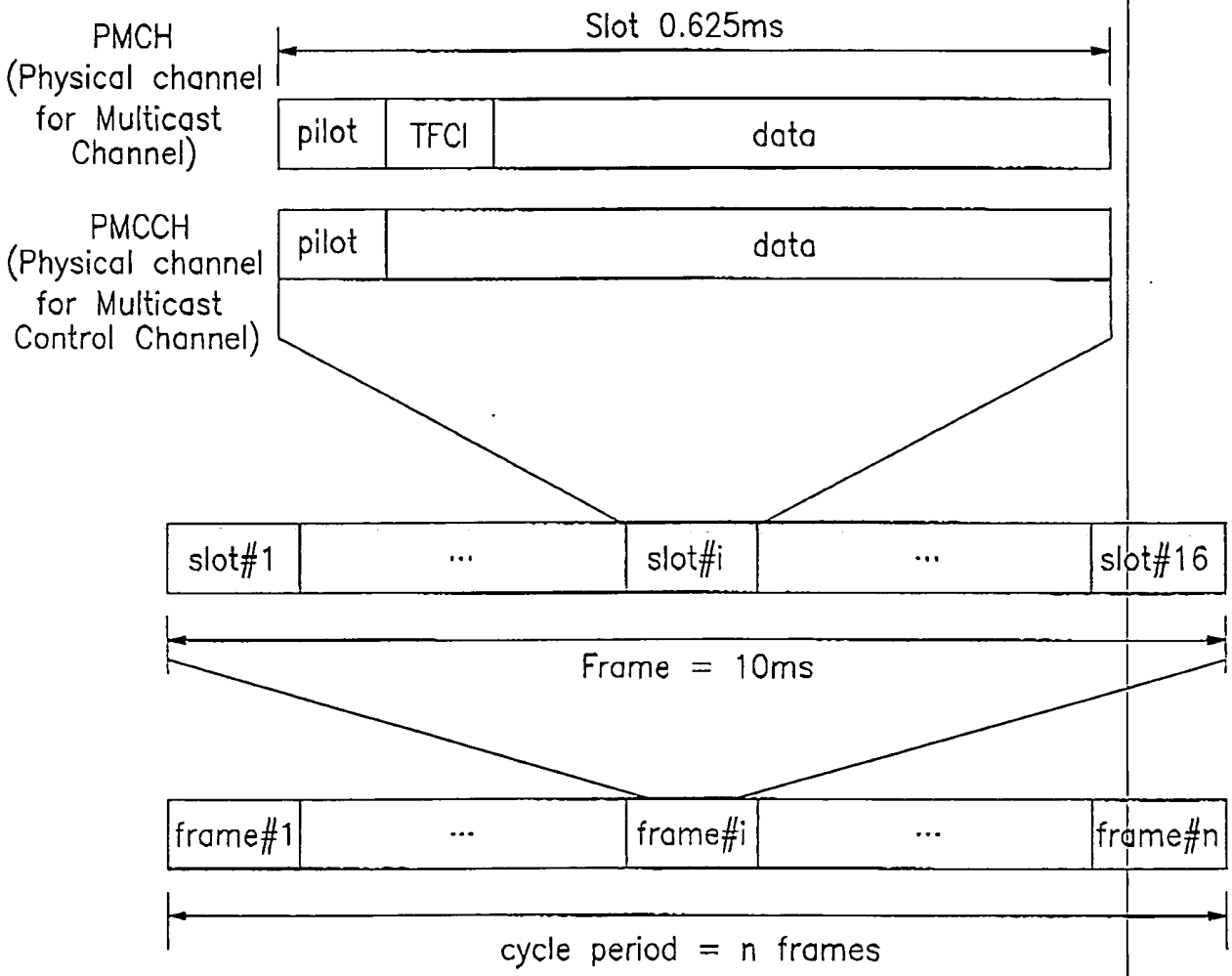

PMCH
(Physical channel for Multicast Channel)
Slot 0.625ms
pilot
TFCI
data
PMCCH
(Physical channel for Multicast Control Channel)
pilot
data
slot#1
...
slot#i
...
slot#16
Frame = 10ms
frame#1
...
frame#i
...
frame#n
cycle period = n frames

FIG. 5

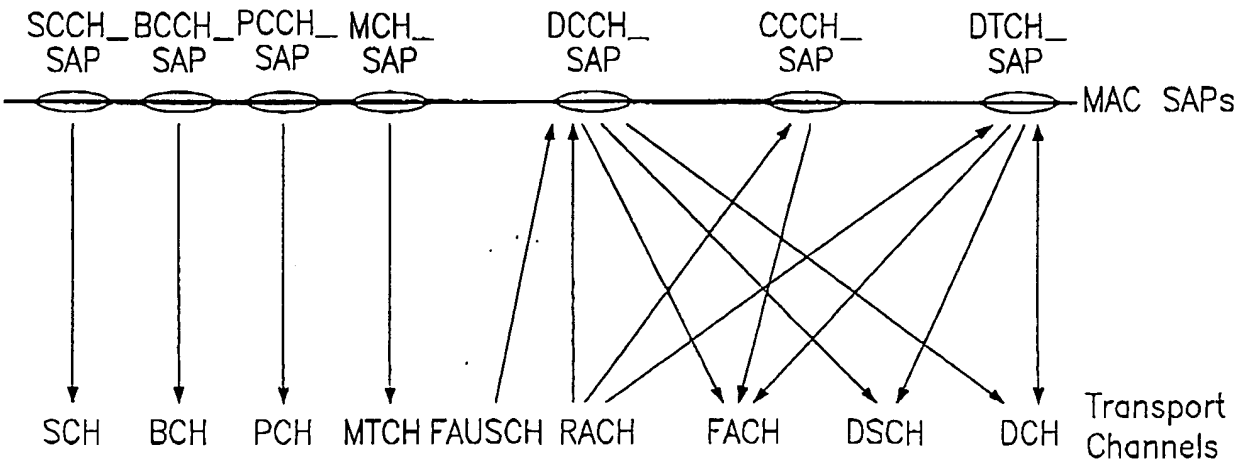
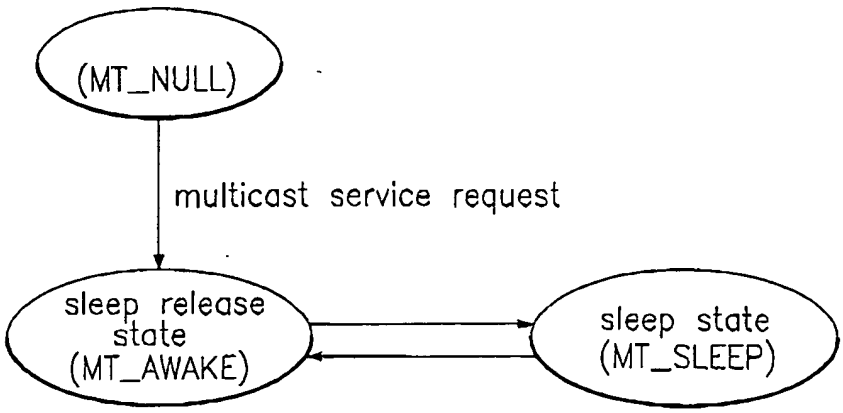
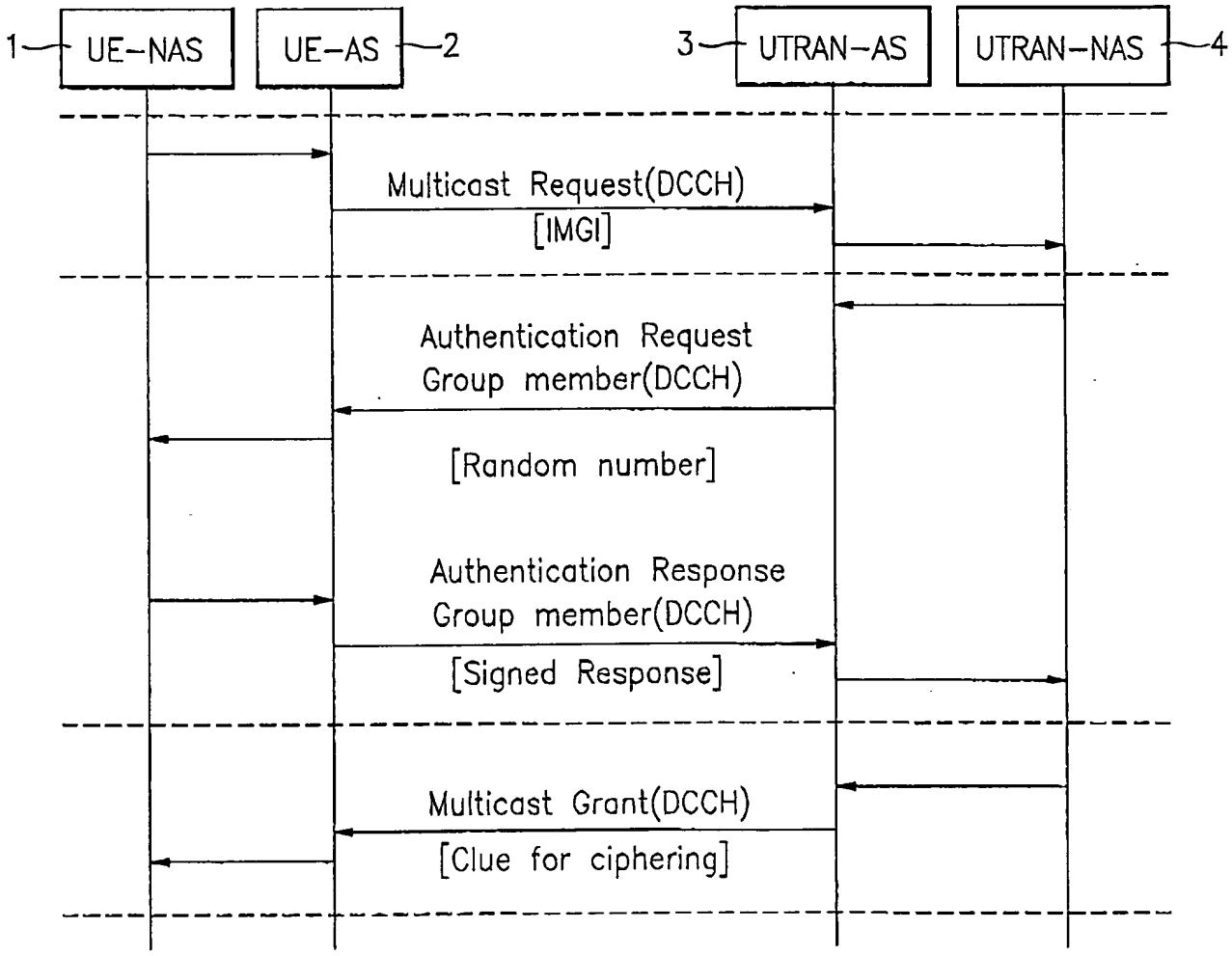


FIG. 6



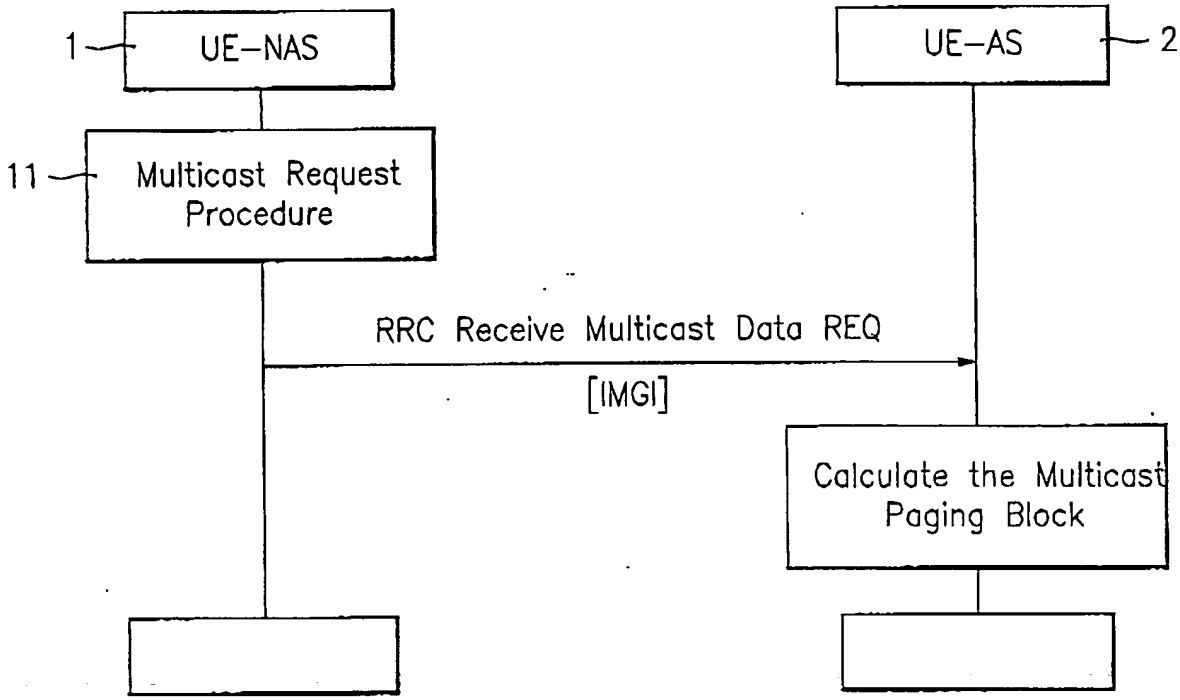
0070030 "EP0903950"

FIG. 7


1
UE-NAS
UE-AS
2
3
UTRAN-AS
UTRAN-NAS
4
Multicast Request(DCCH)
[IMGI]
Authentication Request
Group member(DCCH)
[Random number]
Authentication Response
Group member(DCCH)
[Signed Response]
Multicast Grant(DCCH)
[Clue for ciphering]

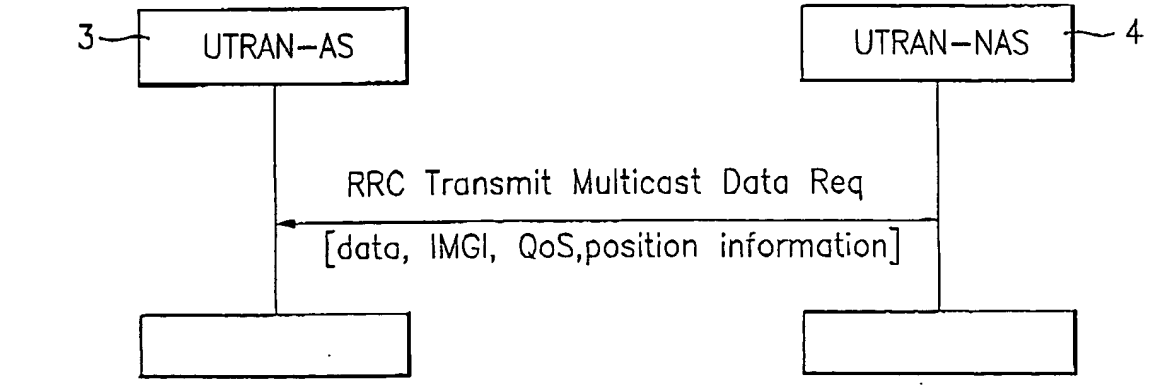
[Fig. 8]

FIG. 8



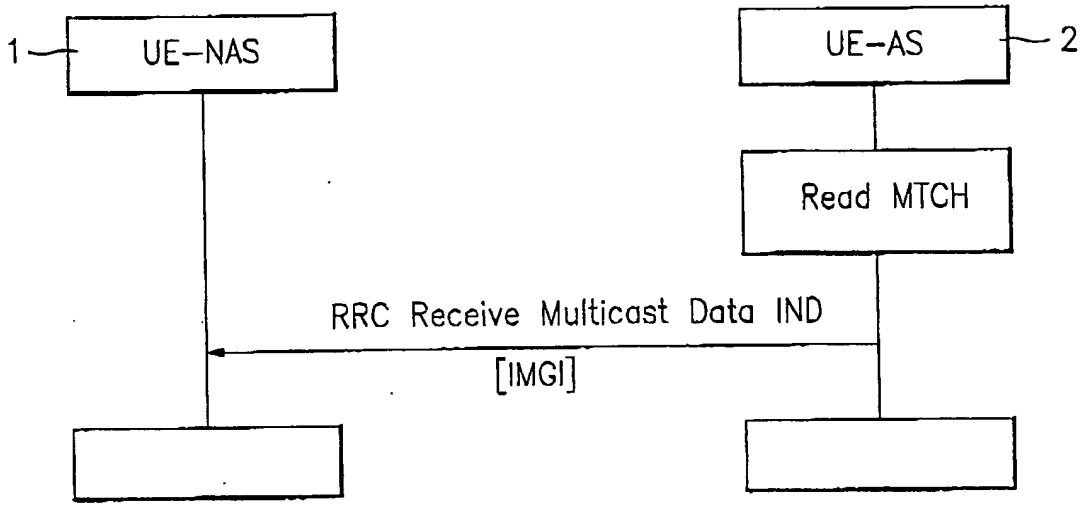
[Fig. 9]

FIG. 9



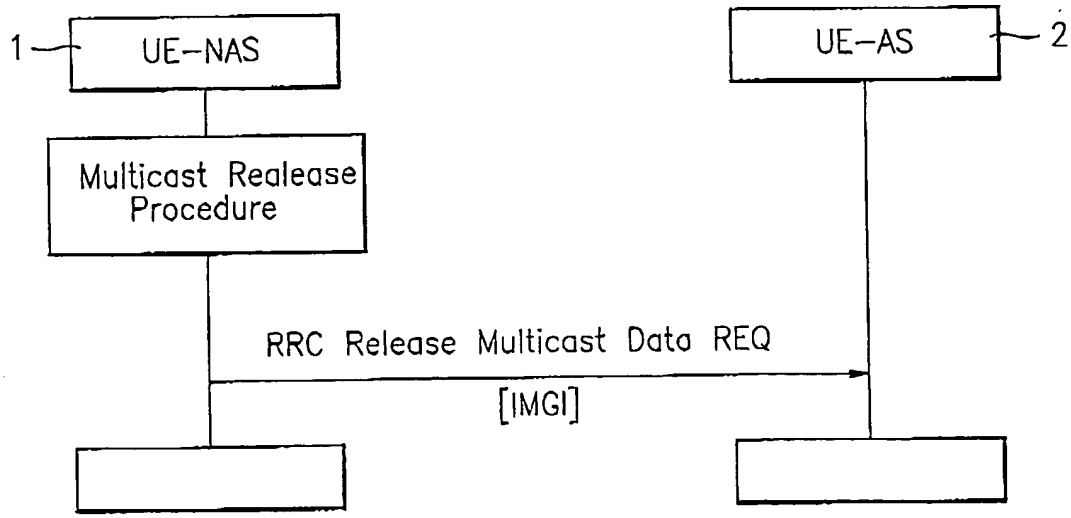
[도 10]

FIG. 10



[도 11]

FIG. 11



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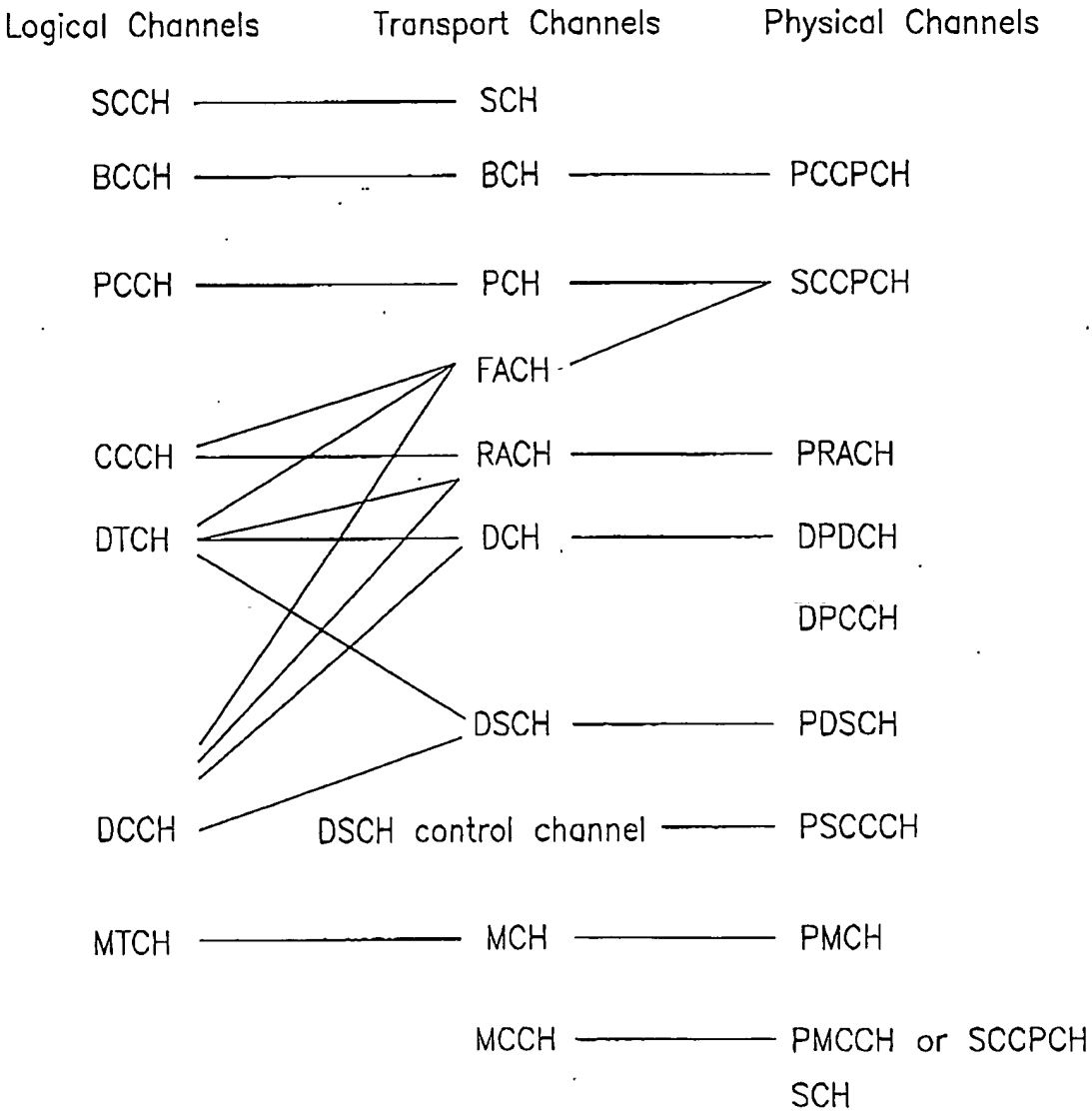
[FIG. 12]

FIG. 12



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